

# science

**Practical exam  
First term  
2021 / 2022**

Mob / 01098752233

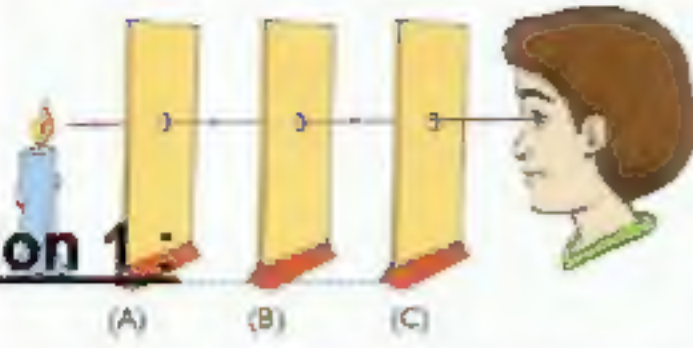
Mob / 01098752233



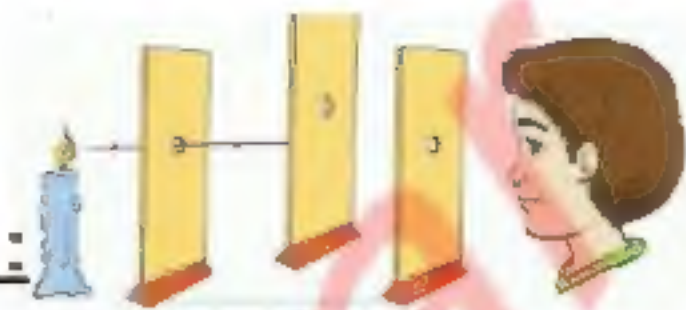


Science practical exam for the 5<sup>th</sup> prim. ( first term )

Observation 1 :



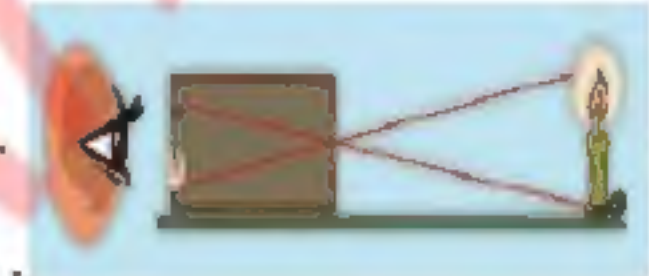
Observation 2 :



Conclusion :

2- The image which is forming by narrow holes will be ..... and .....

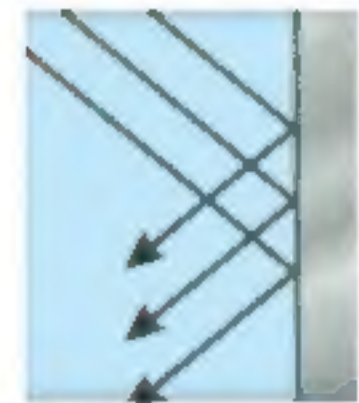
- This indicates that light .....



3 – This type of reflection is called .....

- It is the reflection of light on a ..... reflecting surface.

- The light rays are reflected directly in .....



4- A pencil ( a spoon ) appears ..... when you put it in transparent cup of water. due to .....

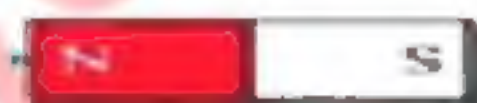
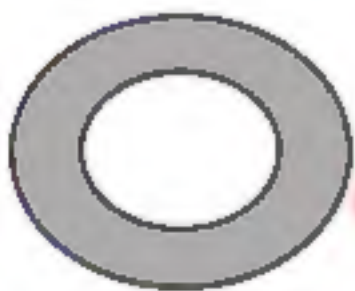


5- This device called ..... Used to .....

-The first color is ..... while the last one is .....



6-



1-This device is called .....

2-This device is called .....

3-This device is called .....

4-This device is called .....

7- This device is called .....

- It is used to .....

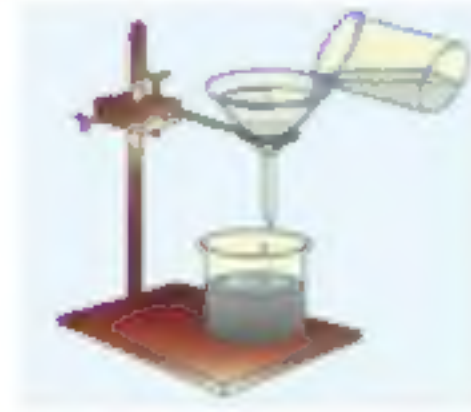
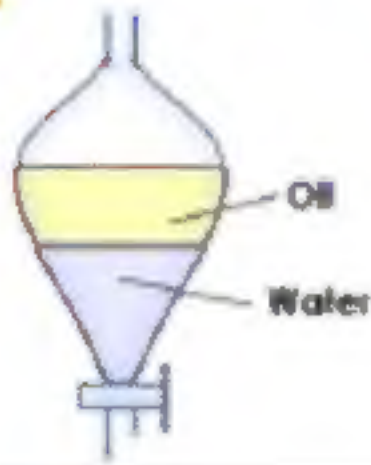
- consists of a ..... that can spin freely around .....

- It always takes ..... direction.





8-



1-This way of Separation is called

.....

2-This way of Separation is called

.....

3-This way of Separation is called

.....

4-This way of Separation is called

.....

Used to separate

.....  
.....

Used to separate

.....  
.....

Used to separate

.....  
.....

Used to separate

.....  
.....

9- 1- This device is called .....

- It consists of .....,  
and .....

- This device converts the ..... into .....

- It used in making ....., ..... and .....



10-This device is called .....

- It consists of ..... and .....

- This device converts the .....into .....



11-



By adding salt to water and stirring ..... Is formed.

- ..... is a solvent , while .....is a solute.

- ..... + .....  $\xrightarrow{\text{Solubility process}}$  .....

- We can increase the speed of solubility process ( decrease the time ) by

1: .....

2: .....



12-



1-This food relationship is called

.....



2-This food relationship is called

.....



3-This food relationship is called

.....



4-This food relationship is called

.....



1-This way of hiding is called

.....



1-This way of hiding is called

.....



Science practical exam for the 5<sup>th</sup> prim. ( first term )

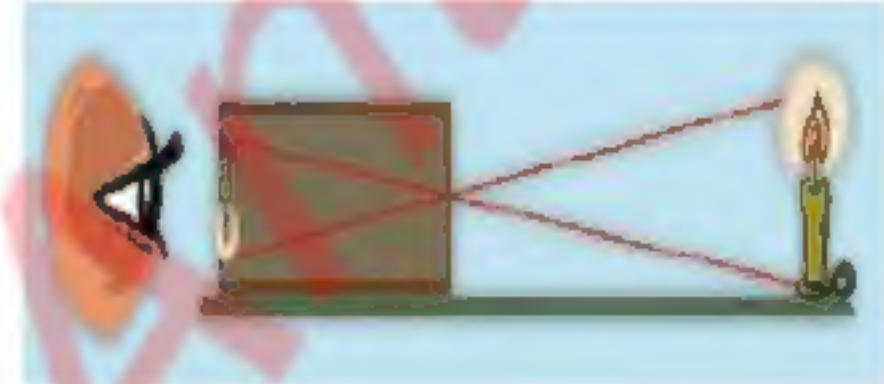
**First question :**

- 1- Candle's light can be seen when the three holes are on the same straight line with the light of the candle.



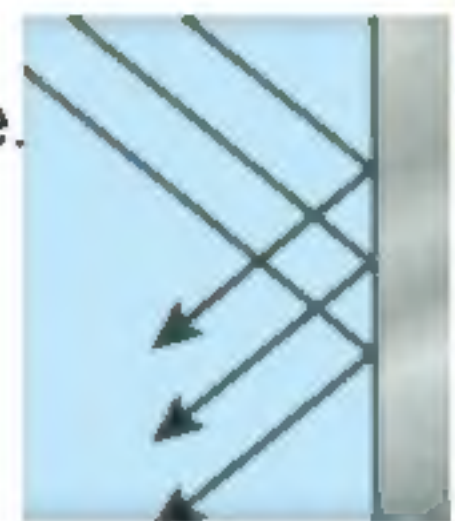
**Light travel in straight lines.**

- 2- The image which is forming by narrow holes will be minimized and inverted.



**Light travel in straight lines.**

- 3- It is the reflection of light on a smooth and bright reflecting surface.  
- The light rays are reflected directly in one direction . like mirror



**regular light reflection**

- 5- A pencil ( a spoon ) appears broken when you put it in transparent cup of water .



**light refraction**

- 6- This device called glass prism ,

Used to separates the white light into seven spectrum colors :-

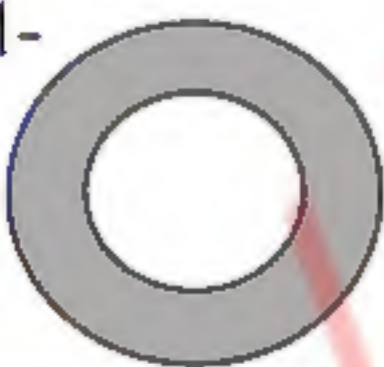
Red – Orange – Yellow – Green – blue – indigo – violet



**light separation**

**Second question : artificial shapes of magnet :**

1-



1-This device is called **ring magnet**



2-This device is called **bar magnet**



3-This device is called **hours shoe magnet ( U shape magnet )**



4-This device is called **needle magnet**

- 2- This device is called **compass**

- It is used to **identify the main direction of the Earth**
- consists of a **magnetic needle** that can spin freely around a **fixed axis**





3- This device is called **electromagnet**

- made by the effect by **electricity**
- It consists of **bar of wrought iron** , **copper wire** and a **battery**
- This device converts the **electric energy** into **magnetic energy**
- It used in making **crane** , **electric bell** , **TV** , **mixer** and **disk driver**.

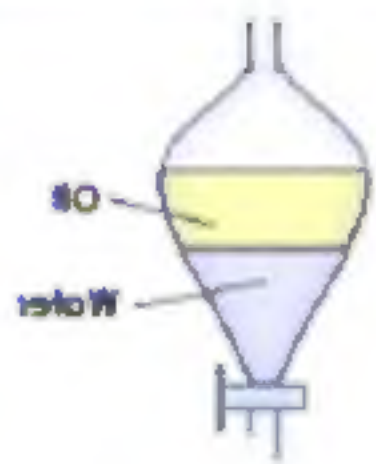


4-This device is called **dynamo**

- This device converts the **kinetic energy** into **electric energy**
- It consists of a **magnet** and **copper wire**



**Third question :**



1-This way of Separation is called **separating funnel**

Used to separate **oil and water**

2-This way of Separation is called **magnetic attraction**.

Used to separate **iron filling and sand**

3-This way of Separation is called **filtration process**

Used to separate **water and sand**

4-This way of Separation is called **evaporation process**

Used to separate **water and salt**

**fourth question :**

1) The solvent is the water and The solute is the salt

**Solute + solvent**  $\xrightarrow{\text{Solubility process}}$  **solution**



1-This food relationship is called **predation**



2-This food relationship is called **external parasitism**



3-This food relationship is called **predation**



4-This food relationship is called **commensalism**



1-This way of hiding is called **mimicry**

1-This way of hiding is called **camouflage**





**PRACTICAL SHEET****FIRST QUESTION**

Write Observation & Conclusions of the following exp.

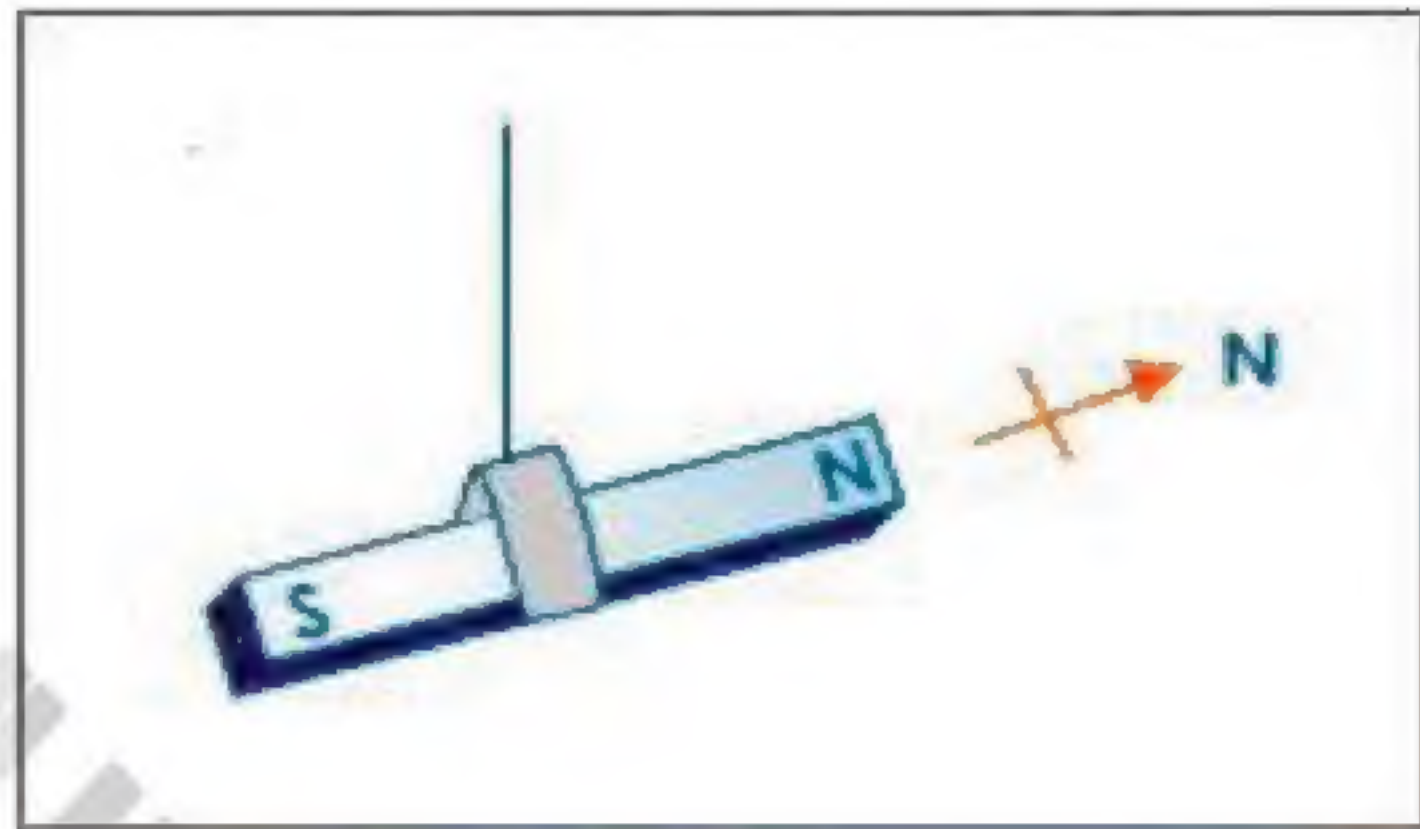
Exp. (1) "light refraction":



<u>Steps</u>	<u>Observation</u>	<u>Conclusion</u>
Look at a pencil inside a glass of water.	The pencil looks broken.	Light refracts when they transfer through different medium.



Exp. (2): "The freely suspended magnet always takes one direction":



<u>Steps</u>	<u>Observation</u>	<u>Conclusion</u>
Hold a magnet at its center by a fine string fixed in the stand, leave the magnet until it gets horizontally stabilized and try to move it several times.	The magnet moves again to one direction.	The freely suspended magnet takes one direction and always this direction is the North direction.



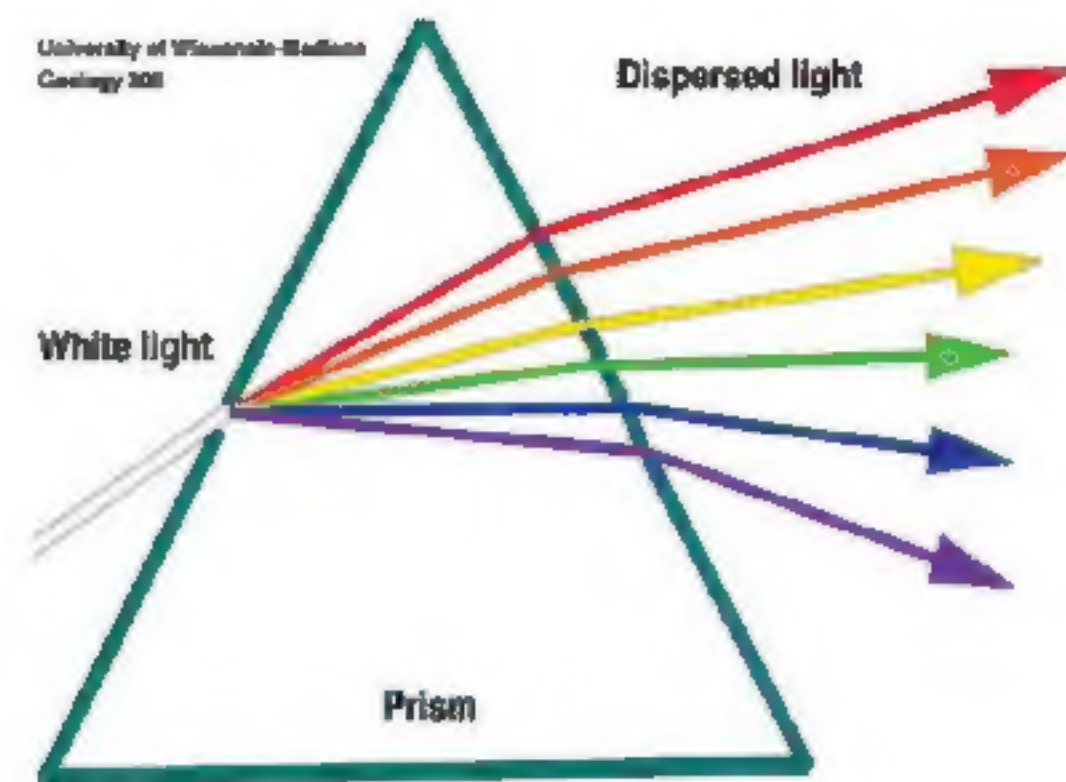
Exp. (3): "the effect of temperature on solubility":



<u>Steps</u>	<u>Observation</u>	<u>Conclusion</u>
4. Dissolve two equal amounts of sugar in the same amount of water. 5. Heat one of them & leave the other without heating. 6. Record the time of solubility process.	The heated solution dissolves faster.	The solubility process increases when the temperature increases.



## Exp. (4): "Spectrum Colors":





<u>Steps</u>	Observation	Conclusion
Hold a prism & let the sunlight shine through it on a white paper.	The visible white light can be separated into seven colors:  (Red- Orange - Yellow - Green - Blue -Indigo - Violet)	The visible spectrum is made up of seven colors Called (spectrum colors)



## SECOND QUESTION

Write the name of parasite that causes the following disease

<u>The disease</u>	<u>Picture</u>	<u>The parasite</u>
Elephantiasis		Filaria
Malaria		Mosquitoes



Smallpox		Fleas
Bilharzias		Bilharzia
Anemia		Ascaris



تفوقك في أي مذكرة عليها العلامة دي  
[www.facebook.com/groups/zakroolypr5](https://www.facebook.com/groups/zakroolypr5)



هذا العمل حصري على موقع ذاكرولى التعليمي ولا يسمح بنشره في أي مواقع أخرى  
 لمزيد من أعمالنا تفضل بزيارة موقعنا على الانترنت <https://www.zakrooly.com>

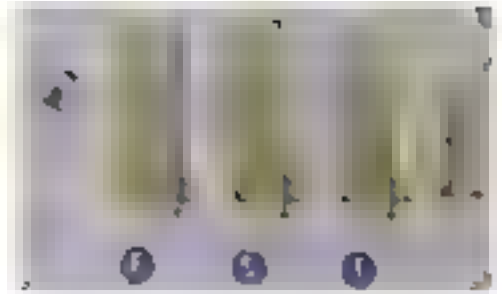


Practical grade 5

1

: I Can see the light of candle

Conclusion: The light travels in straight lines



2

Observation: Inverted minimized (small) image is formed

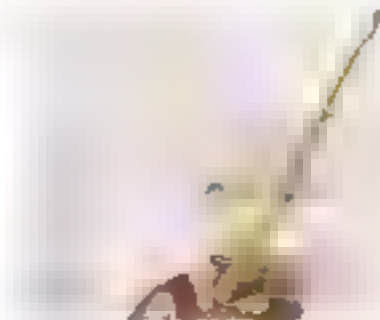
Conclusion: The light travels in straight lines



3

Observation: The pen appears (seems) broken (bent)

Conclusion: The light refracts when it passes between two transparent media (air and water)





~ 2 ~

4

Observation: We see the seven (7) spectrum colors

Conclusion: The white light consists of 7 colors



5

What happens in this case?

The like poles repel each other and the unlike poles attract each other





6

What is the name of this tool ?

**Electromagnet**

What is the importance (function- use) of this tool?

a-It converts the electric energy into magnetic energy

b-It is used in electric bell, electric mixer, disk drive, T.V and crane



7

What is the name of this tool ?

**Compass**

What is the importance (function- use ) of this tool?

It is used to locate (identify) the four main direction

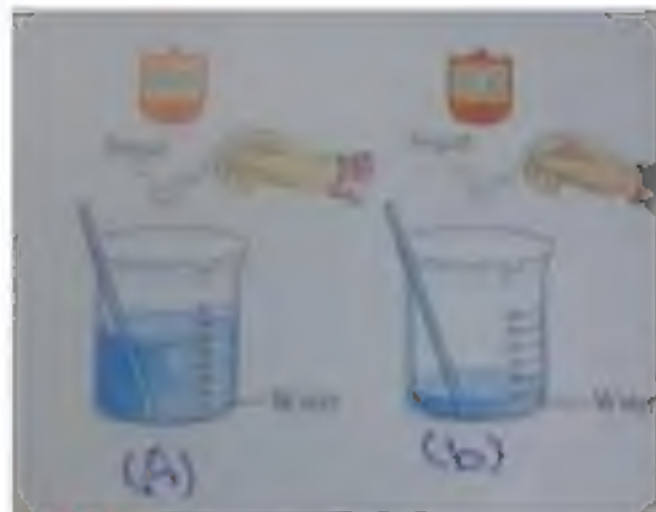




8

Observation: Beaker A take short time to dissolve than beaker b

Conclusion: By increasing the quantity of solvent, the speed of solubility increases and vice versa.



Observation: Beaker b take short time to dissolve than beaker a

Conclusion: By increasing the temperature the speed of solubility increases and vice versa..





10

Observation: Beaker A take short time to dissolve than beaker b

Conclusion: Stirring increases the speed of the solubility process.



11

Observation: Beaker A take short time to dissolve than beaker b

Conclusion: solubility process depends on the kind of the solute.





12

1-What is the name of this tool ?

Dynamo

2-What is the importance (function- use )of this tool? It converts(changes) the mechanical (kinetic)energy into electric energy



What is the name of this tool ?

Separating funnel

What is the importance (function- use) of this tool? It is used to separate the oil from water



What is the name of this tool ?

Filtration

What is the importance (function- use) of this tool?

is used to separate Mixture of sand (or mud) and water

